

tion in these plants. Emphasis is laid upon the propagation by tubers, tuberous rootstocks, winter buds, burs, and by fragments of stems. The economic aspect of the genus is inseparable from the ecology of the pond, for it deals principally with the food supply afforded a large number of animals, ranging from the larvae of Diptera to canvasback ducks. The paper is made more valuable by its numerous plates and by an extensive bibliography.—GEO. D. FULLER.

Marine algae in fresh water.—Experimenting with several species of marine algae, Miss BROWN⁴⁰ found that many soon died and disintegrated if placed in fresh water, or even in sea water with a larger admixture of fresh water. Other species, and notably *Enteromorpha intestinalis*, not only endured almost pure fresh water for a period of about 4 weeks, but also seemed to grow more rapidly in waters fresher than those of the sea. The factors involved in this tolerance were not further analyzed.—GEO. D. FULLER.

Thelephoraceae.—In continuing his studies of the Thelephoraceae of North America, BURT⁴¹ presents *Exobasidium*, *Tremellodendron*, *Eichleriella*, and *Sebacina*, with a full historical discussion, synonymy, and citation of stations. The data in reference to the species are as follows: *Exobasidium*, 3 species; *Tremellodendron*, 7 species (2 new species and 3 new combinations); *Eichleriella*, 5 species (2 new species and 3 new combinations); *Sebacina*, 14 species (7 new species and 4 new combinations).—J. M. C.

Species of Carex.—MACKENZIE,⁴² in continuing his studies of *Carex*, discusses *C. straminea* and some of its nearest allies, and also describes 8 miscellaneous new species, chiefly western, as follows: *C. festivella*, *C. Egglestonii*, *C. Lunelliana*, *C. bulbostylis*, *C. onustra*, *C. Sheldonii*, *C. exserta*, and *C. rugosperma*.—J. M. C.

Polyporaceae.—OVERHOLTS⁴³ has investigated certain critical forms of Polyporaceae, discussing characters and technique, and presents his conclusions in definitions of the 22 species considered.—J. M. C.

⁴⁰ BROWN, LOLA B., Experiments with marine algae in fresh water. Puget Sound Marine Sta. Publ. 1:31-34. 1915.

⁴¹ BURT, EDWARD ANGUS, The Thelephoraceae of North America. IV and V. Ann. Mo. Bot. Gard. 2:627-658. pl. 21; 731-770. pls. 26, 27. 1915.

⁴² MACKENZIE, K. K., Notes on *Carex*. IX. Bull. Torr. Bot. Club 42:603-621. 1915.

⁴³ OVERHOLTS, L. O., Comparative studies in the Polyporaceae. Ann. Mo. Bot. Gard. 2:667-730. pls. 23-25. 1915.